

Swing Over Milking Systems

DualFlo™ Swing Over Milking System

The DualFlo™ Modular Design

- Perfect for parlors with limited available space
- Economical milking in new parlors
- Easy retro-fits into existing parlors
- Reduced down time during retro-fits
- Lower overall parlor costs
- Quick installation

The DualFlo comes pre-assembled in 3 or 4 stall sections for fast, efficient installation.

The DualFlo is designed for parallel or herringbone style parlors up to double 32 in size and is built for 28 or 30 inch stalls. The stainless swing-over arms are built to stand up to your toughest milking requirements, session after session, day after day.

Built with genuine BouMatic parts and components, the DualFlo system comes with a 2-year warranty, and like all BouMatic milking systems, it is constructed using the highest quality standards.



DualFlo Custom Options

The DualFlo has an array of custom options available that can provide levels of automation for every dairy operation - every management style.

- **No Detacher** - Manual shutoff
- **Detacher Only** - Automatic takeoff
- **Milk Yield Indicators** - Individual cow performance without ID tags
- **Milk Meters** - Individual cow performance with your management program

Find out how you can start milking in a parlor or upgrade your existing parlor-based milking equipment with the BouMatic DualFlo Swing Over Milking System.

The DualFlo™ System continued

3- and 4-Unit Modules

Available in 28 inch or 30 inch

Includes:

- Dual 3 inch (76 mm) milk lines with alternating pre-drilled milk inlets at 30 inch (762 mm) or 28 inch (711 mm) stall spacings with milk inlet nipples installed
- PVC couplings, mounting brackets and clamps for the pulsation and fresh air line
- Support infrastructure, electrical raceway, and mounting hardware
- 3 inch (76 mm) PVC pulsation vacuum line with pre-mounted stallcocks
- 3 inch (76 mm) clamps and gaskets for joining the modules together
- 3 inch (76 mm) PVC filtered air line with pre-tapped inlet ports
- Bushing and snap ring to mount the swing arm

ORDER INFORMATION

CHOOSE 28 IN. (711 MM) OR 30 IN. (762 MM) TO MATCH THE STALL.

REFER TO THE MODULE MATRIX TABLE FOR QUANTITIES BASED ON PARLOR SIZE.

DualFlo System -

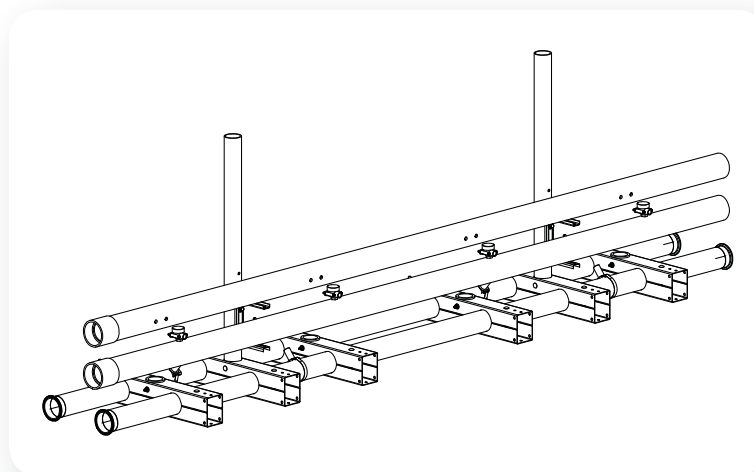
3-Unit Modules

28 in. (711 mm)	8581454
30 in. (762 mm)	8581453

DualFlo System -

4-Unit Modules

28 in. (711 mm)	8581450
30 in. (762 mm)	8581449



3-Unit Dual-Flo Module

Use the Following Table to Determine the Quantity of 3- and 4-Unit Modules for each Parlor Size:

MODULE	2 X 3	2 X 4	2 X 5	2 X 6	2 X 7	2 X 8	2 X 9	2 X 10	2 X 11	2 X 12
3 Unit	1	--	*	2	1	--	3	2	1	--
4 Unit	--	1	*	--	1	2	--	1	2	3

MODULE	2 X 13	2 X 14	2 X 15	2 X 16	2 X 17	2 X 18	2 X 19	2 X 20	2 X 21	2 X 22
3 Unit	3	2	1	--	3	2	1	--	3	2
4 Unit	1	2	3	4	2	3	4	5	3	4

MODULE	2 X 23	2 X 24	2 X 25	2 X 26	2 X 27	2 X 28	2 X 29	2 X 30	2 X 31	2 X 32
3 Unit	1	--	3	2	1	--	3	2	1	--
4 Unit	5	6	4	5	6	7	5	6	7	8

*A double five cannot be built using 3- and 4-stall modules. Use the individual components to construct a double five.

Products in this catalog may not be available in all regions worldwide due to regulatory or other restrictions. Your Price List summarizes all products available in your region.

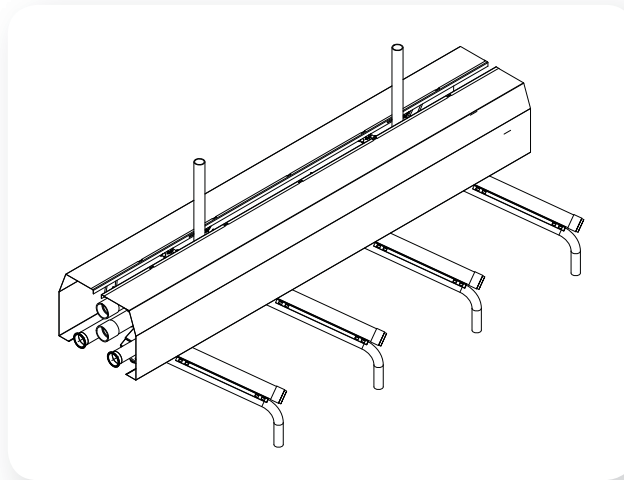
Swing Over Milking Systems

The DualFlo™ System continued

Stainless Steel Covers

Optional

- Available to fit 3- and 4-stall modules
- Improves parlor aesthetics
- Protects equipment and helps keep it clean
- Hinged at the top for easy access



4-Unit DualFlo Stainless Steel Cover Package

ORDER INFORMATION

CHOOSE 28 IN. (711 MM) OR 30 IN. (762 MM) TO MATCH THE STALL.

REFER TO THE MODULE MATRIX TABLE FOR QUANTITIES BASED ON PARLOR SIZE.

3-Unit Cover Package

28 in. (711 mm)	8581496
30 in. (762 mm)	8581495

4-Unit Cover Package

28 in. (711 mm)	8581494
30 in. (762 mm)	8581493

End Covers

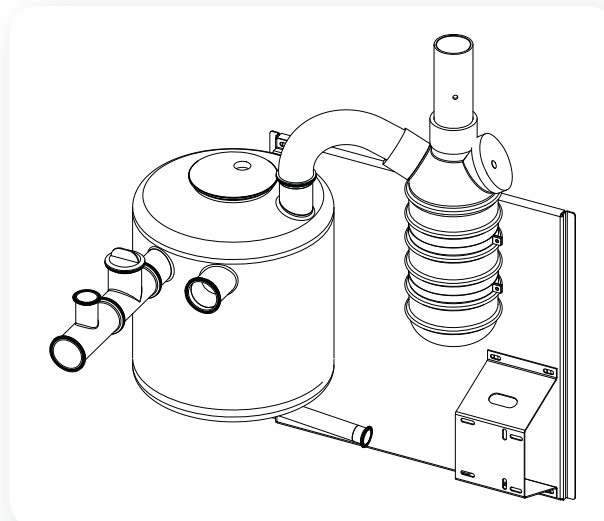
1 per system	8582843
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DualFlo™ Receiver Panel

Package

Package includes:

- 85 liter stainless steel receiver jar with parallel 3 inch (76 mm) milk inlets and a 1.5 inch (38.1 mm) outlet
- Fittings, clamps and gaskets to loop the ends of the milk lines together at the last module
- Elbow, clamps and gaskets to connect the sanitary trap to the receiver jar
- Plastic sanitary trap with 3 inch (76 mm) vacuum inlet
- Milk/wash diverter tee and air injector tee
- 1.5 inch (38 mm) automatic drain valve assembly
- Back panel and mounting brackets
- Receiver jar, lid, gasket and probe



ORDER INFORMATION

DualFlo Receiver

Package	8581502
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The DualFlo™ System continued

DualFlo™ System Automation Levels

An Array of Automation Levels to Suit Any Dairy Operation and Management Style

No Detacher

- Operator determines when a cow is milked out and uses manual shutoff

Detacher Only

- Automatic takeoff

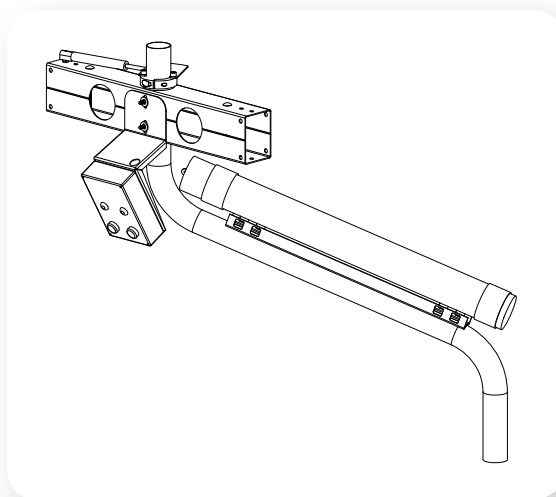
Milk Yield Indicator

- Individual cow performance without ID tags

Perfection Milk Meter

- ICAR approved milk weights

Note: 2050 and BouMatic Smart ID must be ordered separately. Will not work with 2060 and Smart EID tags.



DualFlo Swing Arm with Detacher Cylinder and Control

ORDER INFORMATION

DualFlo System - Automation

ORDER ONE PER MILKING POSITION.

Swing arm package	8581498
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CHOOSE ONLY ONE TYPE.

ORDER ONE PER SWING ARM.

Manual shutoff valve	8514810
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4300 detacher control with Quick Start	3559212
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Parlor Companion detacher	3558256
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ORDER ONE EACH PER DETACHER.

Vacuum operated detacher cylinder	3559257
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Sensor/shutoff, nipple, vacuum	3558013
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Packed parts, automation, DualFlo	8581508
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ORDER ONE PER 18 DETACHERS.

Power supply, 12 unit, 8 Amp	3554142
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ProVantage DualFlo Assembly

ORDER ONE PER 18 DETACHERS.

Power supply, 12 unit, 8 Amp	3554142
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ORDER ONE PER STALL.

Swing arm package	8581498
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ProVantage DualFlo assembly	8582782
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Note: ProVantage Assembly includes 1 each of the following:

Control assy, det, 3020M	3557942
Packed parts, 3020M	3558056
Meter assy, RH, Perfection	3555726
Switch assy, remote/attach, SS	3558032
PWB assy, quick start, det, 4300	3559210
Cylinder, plastic, 24V DC	3559257
Valve, shutoff, vacuum, 5/8 in.	3553789
Conduit, flex, L-T, 1.00 x 72.00	3558203
Cable assy, milk meter, rotary	8503745
Packed parts, ProVantage, DualFlo	8582783
Bracket assy, DualFlo, ProVantage	8582786

Swing Over Milking Systems

The DualFlo™ System continued

Additional BouMatic® Items

Required to Complete a DualFlo™ System

Milk Pump Assembly

- Specify voltage

MCP-210 Master Control Panel

- With air injector
- Operates up to 12 pulsators*

Milk Line and Fittings

- 3 inch (76 mm)
- Connects the first module to the receiver

Dog Leg Fitting

- 3 inch (76 mm)
- Required if receiver panel is mounted at the end of a pit

Milk Line and Fittings

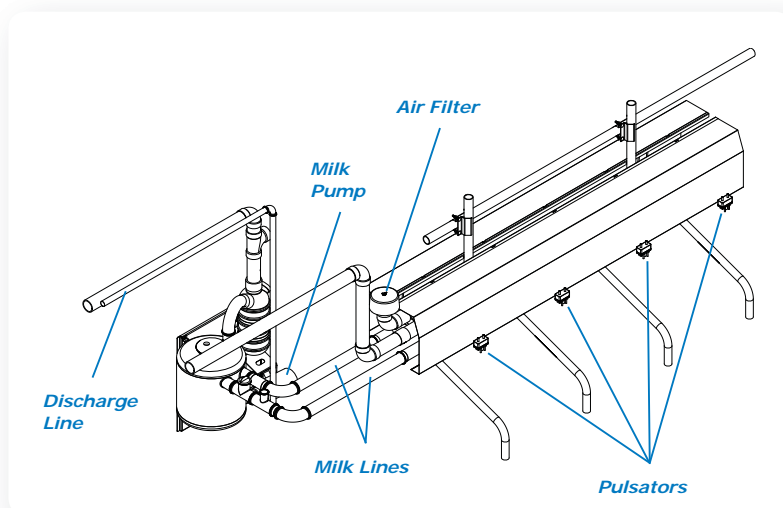
- 1.5 inch (38 mm)
- For the milk discharge line

Air Filter

- For the fresh air line

Pulsators

* Additional pulsation controls required for more than 12 pulsators.



Additional Required BouMatic Items to Complete a DualFlo System

ORDER INFORMATION

Milk Pumps

1 hp, 1 Ph, 230V, 60 Hz	8519970
1 hp, 3 Ph, 230V, 60 Hz	8519971
1 hp, 1 Ph, 230V, 50 Hz	8516253
1 hp, 3 Ph, 230V, 50 Hz	8516254
1 hp, 3 Ph, 380V, 50 Hz	8517089

MCP-210 Master Control Panel

Complete, incl. air injector 8514006

Dog Leg Elbow

Center mount 8581482

Flo-Star® MAX

CHOOSE ONE PER MILKING POSITION.

5/8 in., turned up inlets	8513545
MAX top, turned up inlets w/Classic bottom, w/shutoff, 5/8 in.	8512775

Magnum Liners

AS NEEDED.

400M, vented, 100/cs.	8514980
500M, vented, 100/cs.	8514981

Pulsation

CHOOSE ONE PER MILKING POSITION.

Kit, SS shell, HiFlo pulsator, 7 in. short air tubes	8504140
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HIFLO PULSATOR WITH FRESH AIR REQUIRED FOR DUALFLO SYSTEMS.

CHOOSE ONE.

HiFlo pulsator assembly	8512564
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ORDER 1 IF MORE THAN 12 PULSATORS, 2 IF MORE THAN 24 PULSATORS.

CHOOSE ONE PER 12 UNITS.

Pulsation controller	8509979
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CHOOSE ONE PER 12 UNITS.

Filter assembly pulsator	8511748
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Tee

CHOOSE ONE PER 12 UNITS.

PVC, Sch-40, 3, Sanit SXSXS	8518662
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The *DualFlo™* System continued

Locally Supplied Items

Fascia Pipe

- 2 inch (51 mm)
- Schedule 40 galvanized pipe
- Mounted in the center of the pit and runs the length of the parlor to support the *DualFlo™* modules

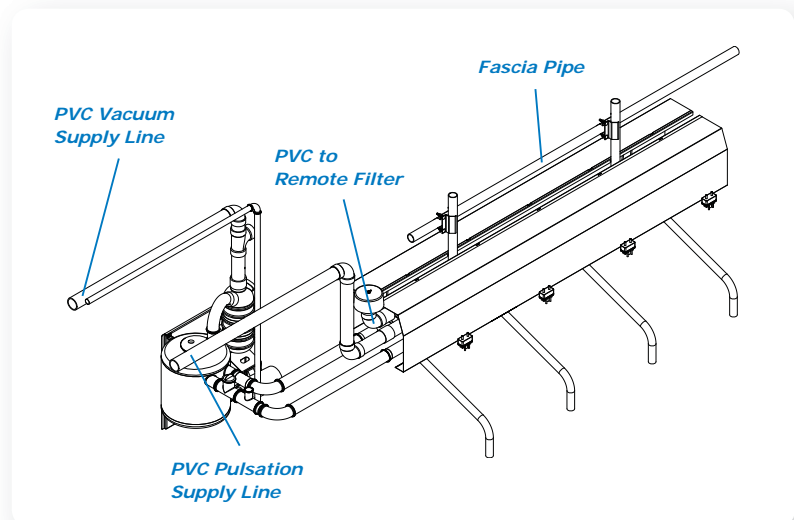
PVC Pulsation Vacuum Supply Lines and Fittings

- 3 inch (76 mm)

PVC to Remote Fresh Air Filter

- 3 inch (76 mm)

PVC Vacuum Supply Line



Locally Supplied Items for DualFlo System

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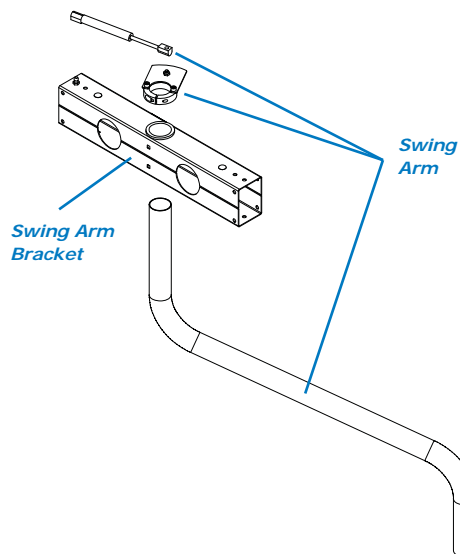
The DualFlo™ System continued

Individual Components

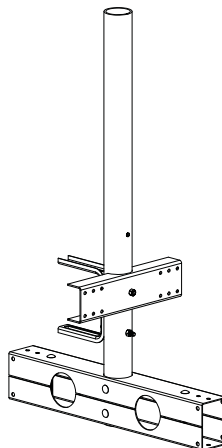
Available to Customize Systems for Non-Standard Stall Sizes

Swing Arms, Swing Arm Brackets, and Line Hangers

- Use for non-standard stall sizes. Standard sizes are: 28 inch (711 mm) or 30 inch (762 mm)
- Swing arm bracket and line hanger components can be used for on site system assembly
- Adapts to any parlor size - up to 2x32 - with any stall width
- Adapts to any stall brand
- Many automation options available



DualFlo Swing Arm Kit with Swing Arm and Swing Arm Bracket



DualFlo Line Hanger Assembly

ORDER INFORMATION

DualFlo Support Lines

MINIMUM 1 PER 8 FT. (2.4 M) OF LINE.

3 in. (76 mm) 8581590

2.5 in. (63 mm) 8581589

2 in. (50 mm) 8581588

Note: Order individual components in place of the modules to construct your own system, when stall spacing will not be the standard 28 in. (711 mm) or 30 in. (762 mm).

Swing Arm with Bracket

1 PER SWING ARM.

3 in. lines (76 mm) 8581587

2.5 in. lines (63 mm) 8581586

2 in. lines (50 mm) 8581585

Note: Order individual components in place of the modules to construct your own system, when stall spacing will not be the standard 28 in. (711 mm) or 30 in. (762 mm).